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(54) Title: TREATMENT OF DRY EYE BY RESTORING 15-LIPOXYGENASE ACTIVITY TO OCULAR SURFACE CELLS

(57) Abstract: The present invention provides compositions comprising the 15-lipoxygenase-1 (15-LO-1) or 15-lipoxygenase-2 (15-LO-2) gene such that 15-LO-1 or 15-LO-2 protein expression is replaced or replenished in the ocular surface epithelium of postmenopausal women suffering from dry eye. Thus, methods for treatment of dry eye in postmenopausal women are further provided.

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